



SEQUENCE LISTING

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Sarah George Fowler
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<120> Transcription Factors to Improve Plant Stress Tolerance

<130> 21835-00004

<140> US/10/632,436

<141> 2003-08-01

<150> 60/400,777

<151> 2002-08-02

<160> 2

<210> 1

<211> 1308

<212> DNA

<213> *Arabidopsis thaliana*

<220>

<221>

<222>

<223> This is a cDNA sequence derived from mRNA encoding the putative AP2 domain transcription factor RAV1 (locus tag: Atlg13260). The RAV1 coding sequence consists of nucleotides 92 through 1126 as numbered below.

<400> 1

gtatacatat	acacaacata	attcacaaca	caacacaaaac	acattttctgt	tttctccatt	60
gtttcaaacc	ataaaaaaaaa	acacagatta	aatggaatcg	agtagcgttg	atgagagtac	120
tacaagtaca	ggttccatct	gtgaaacccc	ggcgataact	ccggcgaaaa	agtcgtcggg	180
aggtaactta	tacaggatgg	gaagcggatc	aagcgtttgt	ttagattcag	agaacggcgt	240
agaagctgaa	tctaggaagc	ttccgtcgtc	aaaatacaaa	ggtgtggtgc	cacaaccaa	300
cgaagatgg	ggagctcaga	tttacgagaa	acaccagcgc	gtgtggctcg	ggacattcaa	360
cgaagaagac	gaagccgctc	gtgcctacga	cgtcgcgggt	cacaggttcc	gtcgccgtga	420
cgccgtcaca	aattttcaaag	acgtgaagat	ggacgaagac	gaggtcgatt	tcttgaattc	480
tcattcgaaa	tctgagatcg	ttgatatggt	gaggaaacat	acttataacg	aagagttaga	540
gcagagtaaa	cggcgtcgtg	atggtaacgg	aaacatgact	aggacgttgt	taacgtcggg	600
gttgagtaat	gatggtgttt	ctacgacggg	gtttagatcg	gcggaggcac	tgtttgagaa	660
agcggtaacg	ccaagcgacg	ttgggaagct	aaaccgtttg	gttataaccg	aacatcacgc	720
agagaaacat	tttccgttac	cgtaagtaa	cgtttccgtg	aaaggagtgt	tgttgaactt	780
tgaggacgtt	aacgggaaag	tgtaggaggt	ccgttactcg	tattggaaca	gtagtcagag	840
ttatgttttg	actaaagggt	ggagcagggt	cgtaaggag	aagaatctac	gtgctggtga	900
cgtggttagt	ttcagtagat	ctaaccgtca	ggatcaacag	ttgtacattg	ggtggaagtc	960
gagatccggg	tcagatttag	atgcgggtcg	ggttttgaga	ttgttcggag	ttacattttc	1020
accggagagt	tcaagaaacg	acgtcgtagg	aaacaaaaga	gtgaacgata	ctgagatggt	1080
atcgttggtg	tgtagcaaga	agcaacgcac	ctttcacgcc	tcgtaacaac	tcttcttctt	1140
ttttttttct	ttgtgtgttt	taataatttt	taaaaactcc	attttcgttt	tctttatttg	1200
catcggtttc	tttcttcttg	tttaccaaag	gttcattgag	tggttttggt	gtattgatga	1260
actgtaaatt	ttatttatag	gataaatttt	aaaaagggtt	acttagat		1308

<210> 2
 <211> 816
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221>
 <222>

<223> This is a cDNA sequence derived from mRNA encoding the putative zinc- finger protein Zat12 (locus tag: At5g59820). The Zat12 coding sequence consists of nucleotides 102 through 590 as numbered below.

<400> 2

atcatcacaa	ctactatcac	accaaactca	aaaaacacaa	accacaagag	gatcatttca	60
ttttttattg	tttcgtttta	atcatcatca	tcagaagaaa	aatgggtgcg	atatacggaga	120
tcaagtcgac	ggtggatgtc	acggcggcga	attgtttgat	gcttttatct	agagttggac	180
aagaaaacgt	tgacggtggc	gatcaaaaac	gcgttttcac	atgtaaaacg	tgtttgaagc	240
agtttcattc	gttccaagcc	ttaggaggtc	accgtgcgag	tcacaagaag	cctaacaacg	300
acgctttgtc	gtctggattg	atgaagaagg	tgaaaacgtc	gtcgcatact	tgtcccatat	360
gtggagtgga	gtttccgatg	ggacaagctt	tgggaggaca	catgaggaga	cacaggaacg	420
agagtggggc	tgctggtggc	gcgttggtta	cacgcgcttt	gttgccggag	cccacggtga	480
ctacgttgaa	gaaatctagc	agtgggaaga	gagtggcttg	tttggatctg	agtctaggga	540
tgggtggacaa	tttgaatctc	aagttggagc	ttggaagaac	agtttattga	ttttatttat	600
tttccttaaa	ttttctgaat	atatttgttt	ctctcattct	ttgaattttt	cttaatatct	660
tagattatac	atacatccgc	agatttagga	aactttcata	gagtgtaatc	ttttctttct	720
gtaaaaatat	attttacttg	tagcattgga	gatttggtat	gagattatct	tacttagcat	780
ttagtgaata	atctattagc	ctattttgcc	gacgtg			816